

138. (New) The computer-readable medium of claim 104 wherein the theme data structure further comprises an indication of theme logic that analyzes values of at least one of the context attributes.

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cncl .  
139. (New) The computer-readable medium of claim 104 wherein the theme data structure further comprises an indication of a privacy level that affects how information related to the theme data structure is shared with executing software components.

140. (New) The computer-readable medium of claim 104 wherein the theme data structure further comprises an indication of a security level that affects types of access to the theme data structure that are allowed.

141. (New) The computer-readable medium of claim 104 wherein the theme data structure further comprises an indication of a permission level that affects types of activities that users can engage in with the theme data structure.


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#### REMARKS

Applicants have amended claims 104, 107, 108 and 116, and have added claims 134-141 in order to clarify the subject matter of their invention. Thus, claims 1-141 are now pending.

Applicants respectfully request consideration of this application and its early allowance.

Respectfully submitted,  
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**APPENDIX – CLAIMS**  
**MARKED TO SHOW CHANGES**

104. (Amended) A computer-readable medium containing a theme data structure for use in providing an appropriate response to a represented contextual situation, the theme data structure ~~representing a contextual situation, the theme data structure comprising:~~

indications of multiple context attributes related to the represented contextual situation; and

indications of criteria for determining values of the ~~specified~~ context attributes ~~that match the contextual situation,~~

so that the response can be provided when a contextual situation produces values for the context attributes that match the determined values.

107. (Amended) The computer-readable medium of claim 104 wherein the ~~specified~~ criteria for determining the values of the context attributes are the determined values ~~includes specifications of one or more possible values associated with each of the specified context attributes.~~

108. (Amended) A computer-readable generated data signal transmitted via a transmission medium, the generated data signal having encoded contents that include a theme data structure for use in providing an appropriate response to a represented contextual situation, the theme data structure ~~representing a contextual situation and comprising:~~

indications of multiple context attributes related to the represented contextual situation; and

indications of criteria for determining values of the ~~specified~~ context attributes that match the contextual situation.

116. (Amended) A computer-implemented method for providing an appropriate response ~~to~~based on at least one of multiple themes, each of the themes representing a contextual situation and each associated with at least one type of response that is appropriate to the represented contextual situation of that theme, the method comprising:

- receiving an indication of a current theme;
- selecting one of the types of responses that are associated with the current theme; and
- providing the selected type of response.